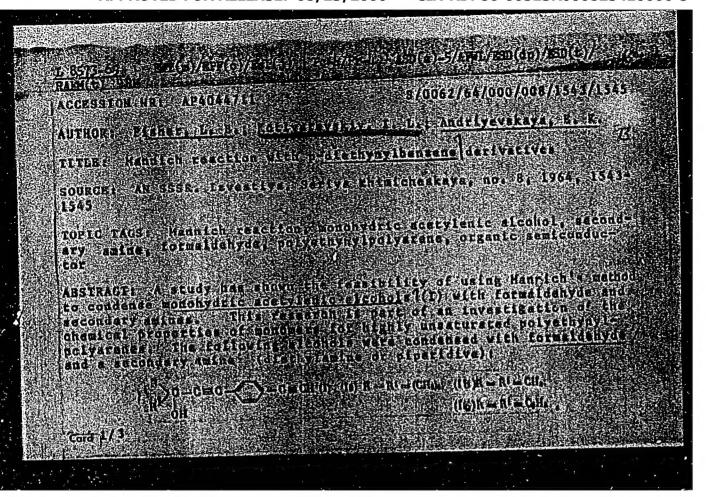
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į		$UO_2^{2+}$ ag + 2NO <sub>3</sub> aq + 2					
		To evaluate the extracting caps equilibrium constants of this p are much more effective extra	acity of the various rocess were calcula acting agents for UO	C-alkylpyridino-N-o: tod. It was shown that 2(NO <sub>3</sub> ) 2 than tributyl p	houphate		
		ASSOCIATION: Institut neorge SSSR, Novosibirsk(Institute of	inicheskoy khimii Si Inorganic Chemistr	y, Siberian Branch, A	cademy of		
	+	Sciences of the SSSR)		SUB CODE: IC			
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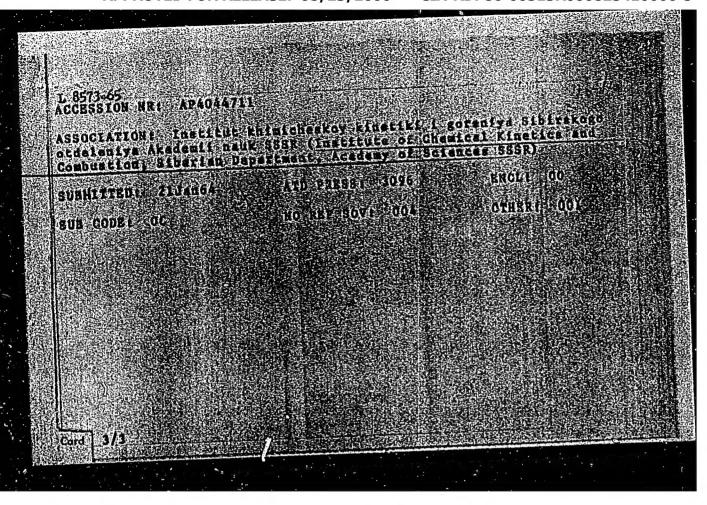
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AUTHOR: Fisher: C. B.: Kockysrevak TUTIE: Bigily unsaturated polymers Sation of discerpismic derivatives		k 9. Synthäsis s e ()		
SOURCE: AN SESS. Inv. Series this TOPIC TACE: Alsoetylenic volymer, thesis, polycondensation, unsature sociylenic polymer, conjugated polypolymer	discetylanic )	nemanthrene der	vative sync	
ARSTRACT: As a continuation of re- cructure on the preside property which conjugation was retained on which you've having interrupted con you've have have have have have have have ha				
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WE WE CHANGE WE WEST OF THE CONTROL OF T	
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END(dp)/ESD(c) NW/M/NM
AGGESSION NR: AP\$04/329 5/0052/64/000/OIO/1854/1860 C/
AUTHOR: Koclyssvekly, F. L.; Terpugova, M. F.; Andriysvoksye; E. T.
TITLE: Highly unsaturated polymers. Communication 10. Polymers
with aso groups in the backbone

SOURCES: AN SSER; Esventye; Seriya khinicheskeys, no. 10, 1964,
1854-1860

TOPIC TAGS: organic samiconductor, samiconducting polymer, unsaturated polymer
ABSTRACT: Oxidative polycondensation of a number of aromatic dismines has yielded highly unsaturated polymers and copolymers having alternating aso groups in the backbone, The following disminas were used: p-phenylenedismine, bent/dine, m-phenylenedismine or chrysolidine alone; or a send 5-phenylenedismine; or benzedismine and m- or prophenylenedismine; or chrysolidine and p-phenylenedismine and m- or prophenylenedismine; or chrysolidine and p-phenylenedismine or benzidine to form the copolymers. The polycondensation was carried out in the presence of pyridine and Gucl. The polymers and copolymers were of Card 1/3

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The polymer (I solid, insolubl appearance up benzidine was polymer from m	e in organic co 5000 and l	reol venera surme verst ennee vinci	i does not me! does not me!	The polymer t up to 5000	from US
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ACCESSION MR: APACK2399

properties are otherwise similar to those of L. The properties of the copolymers are intermediate between those of the polymers: All polymers and Complymers acceptable acceptable acceptable acceptable acceptable acceptable acceptable and the benzi-ding—p-phenylenediamine Copolymer, show catalytic activity and all give an SFR.signal Orig, srt. hast 12 formulas and 1 table.

ASSOCIATION: Institut khimicheekoy kinetiki i goreniya Sibirakogo otdelaniya Akademii mana SSSR (anstitute of Chemical Kinetics and Combustion Siberian Branch Academy of Sciences SSSR)

SUBMITTED: OSIAMOS ASSOCIATION SUB GODE: "GC, OC NO REP SOY: QOZ OTHER: DOS ATD PRESE: 3127.

TO 2005\_6 Ben(n)/SPP(c)/BMP(c)/TO Pola/Pola BM s/0062/64/00/011/2078/2078

AUTHOR: Modificonskip, II. To Larismona, M.J.

PITLE: Symbosis of p-oxyptemplacetylene

SOURCE: AN SSEN: Exception, Sering Editionskape, no. 11, 1964, 2073-2074

TOPIC TRUS: paraoxyphemylacetylene, symbosis, paraoxyphemylacetylene property paraoxyphemylacetylene defention, paraoxyphemylacetylene edymerization

ABSTRACT: The solubility of mone: and polymostylene with functional groups might be impressed by introducing a hydroxy-group attached to the ring into the monomeraty symbosis of the title product and the derivatives proceeded according to the schematic presentation.

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BU COCH, MARH. HO Coch Gard.

GHOO-COCH CALOURCE COCH.

L 22145-65 ACCESSION NR: AP5000486

P-oxyphenylacetylene is a crystalline compound which polymerizes rapidy darkens. Liquefies and finally solidifies under formation of polymer layellae. The structure of the compounds obtained was confirmed by IR spectra. Visids were 46% for the title product, 50% for the p-behzoyl derivative, and quantitative yields for the 2 other derivatives. Original, has 4 formulas

ASSOCIATION I matitut knimidicakov kinatikis, goranty, Slibstakogo otdologiva Akadamit nauk SSSR (hatituke of chemical Kinatics and Communition of the Site of the Division) Academy of Sciences (SSSR)

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AUTHOR: Ko	Livacevaky, 21: dry 20si	ongova M.P. I	II(yusiova, A.A.)	Ž.
	heefs of diphenylptorylly 1988 R. Sibirskove olde		i. Seriya khimiches	kikh nauk, no ili
TOPIC TAGS	diphenylptorylliydrazy			regoverice studies
is synthesize Renn (Bev. )	Diphenylptorylhydrazyl d from diphenylhydraziu 55, 630, 1922). The au of it good yfeld from his 12, Fischer (Am., 190, 1		ent article found tha	ornneny bydrasini
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ASSOCIATION: Institut khimid Novosibirsk (histitute of Chemi	neskoy kinetiki ( goreniy cal Kinetics and Combu	e Sibirekogo otdeleniya AN SSSI ition, Siberian Branch, AN SSSI
SUBMITTED: ITSM64	हिल्हार १००	SUB CODE: OC
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E-8522-05 ST(a)/EF(s)/EG(d)/EFa(c) Fall/F-4 Reff Ref ACCESSION NR: AB508105 S. 8/062/65/600/602/0322/0320 ) S. 8/062/65/600/602/0322/0320 ) S. 8/062/65/600/602/0322/0320 ) S. ATTHOR Validyers Teads Rottyset from thylocotylens Part 8 Catalytic moderation of acstylence alcohols with totomer and animonia

SOURCE AN SERIC investing Merivative and animonia source of activities by the lateral animonia animonia catalytic condensation, pyridine synthesis, alkylpyridine, phenylpyridine

ARSTRACT: The condensation, pyridine synthesis, alkylpyridine, phenylpyridine were alkyl-phenyl substituted pyridines. Amonia kettness and acceptant carbinols were alkyl-phenyl substituted pyridines. Amonia kettness and acceptant carbinols were alkyl-phenyl substituted pyridines. Amonia kettness and acceptant carbinols were alkyl-phenyl substituted pyridines. Amonia kettness and acceptant carbinols were alkyl-phenyl substituted pyridines. Amonia kettness and acceptant carbinols were alkyl-phenyl substituted pyridines. Amonia kettness of a Cd (EO)/Alf-O-catalyst reacted at 300-400C fittial temperature in the presence of a Cd (EO)/Alf-O-catalyst reacted at 300-400C fittial temperature in the presence of a Cd (EO)/Alf-O-catalyst reacted at 300-400C fittial, temperature in the presence of a cd (EO)/Alf-O-catalyst reacted animal fit reaction of carbinols. Studies of the reaction products of properties. I will be acceptant of carbinols of the carbonylic scription of a carbonylic scription of the carbonylic scription of th

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C-12/2/20

SHERGINA, S.I.; ZANINA, A.S.; TROTSENKO, Z.P.; KOTLYAREVSKIY, I.L.

Chemical properties of diethynlarenes. Izv. AN SSSR. Ser. khim. no.3:574-578 165. (MIRA 18:5)

1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN SSSR.

Signly unsaturated polymers, Report No.11; Methatonic and distrate alcohols, derivatives of p-dichynylbenzone, Izv.

AN SSSR. Sor. khim. no.4x692-697 \*65. (MIRA 18:5)

1. Institut khimicheskoy kinetiki i goraniya Sibirskogo otdoloniya AN SSSR.

L Gi299-55 Ref(a)/E23(a)/BG(4)/Ref(s)/E W/RE

ACCESSION NR APROXOGE UR/O188/85/006/004/0788/0788

541.7

AUTHOR: Boldyrev, V. V. Shmidty I. V. Platmenko, V.D. Shvartsherg, M. S.

Kotlysrevskiy, I. L. Andriyevskiy, N. Kosarov, V. E.

TITLE: Effect of additions of organic compounds with conjugate bonds on the rate of thermal decomposition of solid substances

SOURCE: Kinetika I kataliz, V. 6 P. no. 4, 1985, 788

TOPIC TAGS, thermal decomposition solid kinetics, conjugate bond system silver compounds (opochemistry)

ABSTRACT: It has been observed that certain organic compounds with a system of conjugate multiple bonds exert in allect on the rate of thermal decomposition Tests were made of the effect of faterophas additions (% on the weight of analate of conjugate alpha, omega-diarylpolyenes (I)-(IV) on the rate of thermal decomposition of silver oxilate at 133C. A figure is given which shows a plot of the degree of conversion against time. Results show that additions of the above sub-

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tances bring about just as sha norganic additives ordinarilys compounds on the rate of topoc special characteristics of the r and the oxalate. Orig. art. ha	ampleyed for this pur hemical processes a edistribution of the e	pose The effect of organic and evidently connected with the second
ASSOCIATION: Institute kided of Chemical Kinetics and Comb	cheskoy Kuletiki ) gor mustion of the Siberian	eniya SO AN SSSR (Institute at I Branch AN SSSR)
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SUBMITTED: 20Mar65 NR REF SOV: 004	OTHER: 004	

BARDAMOVA, M.I.; SHISHMAKOVA, T.G.; KOTLYAREVSKIY, I.L.

4-Hydroxy-4'-ethynylazobenzene. Izv. AN SSSR. Ser. khim. no.9: 1674-1675 '65. (MIRA 18:9)

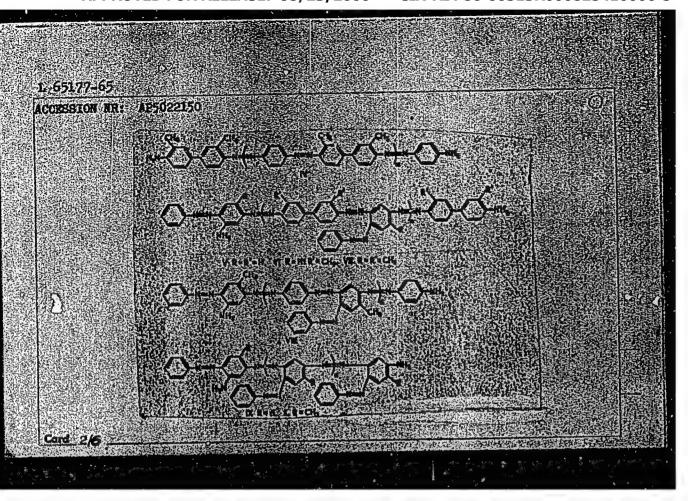
1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN SSSR.

KOTLYAREVSKIY, I.L.; SHVARTSBERG, M.S.; VOLGINA, G.I.; VASILEVSKIY, S.F.

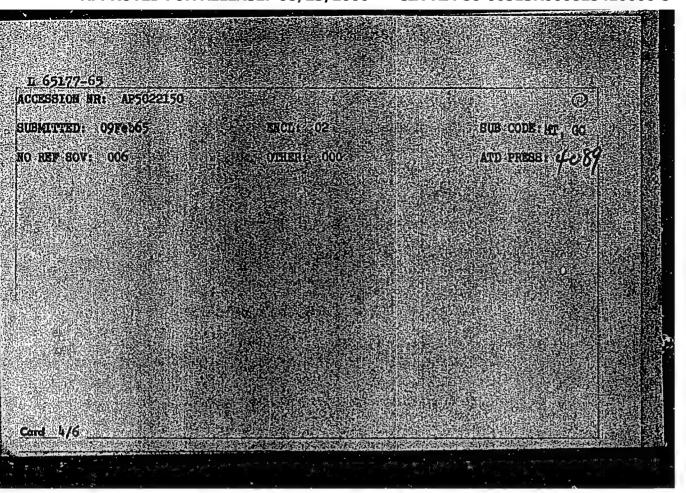
Synthesis of acetylenic derivatives of diphenyl oxide and metabitelyl. Izv. AN SSSR. Ser. khim. no.9:1704-1706 '65. (MIRA 18:9)

1. Institut knimicheskoy kinetiki i goreniya AN SSSR.

L 65177-65 (MT(E)/EPE(8)-2/M RPE JW/AT/RE	Tite)/EPF(c)/EHP(c)/4/BMA(b)/EMA(c) LTP(c)/ a	
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Kotlyarevally, It belt to	LEVE R. R. Rozenshteyn, L. D.; Cerpugova, M. R.	
ATTRIE: AUSORPLION SPECURA, CLECK	sical conductivity, and photoconductivity of poly	
SOURCE: Elektroklimiya, v. 1, no		
bele condict 757 conjuction of		
ABSTRACT: Electrical conductivi been measured for a number of pol	by photoconductivity and absorption spectra have varopolyarenes	
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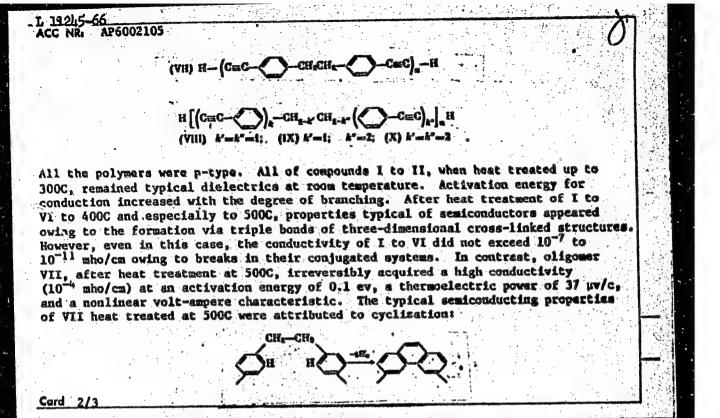
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romatic diamines in the presence of compounds was prompted by the variable properties of the compounds are shown rements were carried out with molds rical conductivity obeyed an exponsiversus 1/T curves showed a break and hem in Table 1. Photoconductions where in Table 1. Photoconductions where the two samples were characteristic was into of temperature. The spaceral real regions of optical absorption on the polymera revealed a sharp drith decreasing conjugated chain length.	tive polycondensation or copolycondensation of duprous chloride catalyst. The study of these comprous chloride catalyst. The study of these compounds chem. The first temperature dependence of sked specimens. The temperature dependence of sked tis. Laws for some of the compounds the log of member two values of E and on are given for studied with film specimens. In the field choosed with film specimens. In the field comparison of absolute values of photocurrent on going to compounds the protocolumn on going to compounds the compounds.	
formulas	[NB] Yes	
ors Academy of Sciences 888R) Inst	ov Akademii neuk SSSR (Institute of Bemiconduc- titut khimicheakov Kinetiki i goreniya Sibirakogo Eute of Chemical Kinetics and Combustion, Tisking ides SSSR)	



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ACC NRI APOUUZIUS 44 55 44 65 Sh	CODE: UR/0062/65/000/011/2077/2079 44 55 44 55 50 ergins, S. I.; Kushta, V. G.
ORG: Institute of Chemical Kinetics and Combustion of the Academy of Sciences SSSR (Institut khimic Sibirskogo otdeleniya Akademii nauk SSSR)  TITLE: Electrophysical properties of certain positives.	theskoy kinetiki i goreniya
SOURCE: AN SSSR. Izvestiya. Seriya khimiches TOPIC TAGS: organic semiconductor, semiconduct	kaya, no. 11, 1965, 2077-2079
ABSTRACT: A study has been made of the electric dependence, and conduction type of polyethynylp the pyropolymers produced by heat treatment of	cal conductivity, its temperature olyarene oligomers I to K and of these oligomers at 300, 400, and
H-(-CssC-)-H;	$ \begin{array}{cccc} C = C & R' & C = C \\ -R & -R & -R & -R & -R \\ R' & -R & -R & -R & -R & -R \end{array} $ (V) R = CH4; R'=H;
(ii) R = R' = H; (II) R = H; R' = GH; (III) R=R'=CHs; (IV) R=CHs; R'=CHs; (IV) R=CHs; (IV)	(VI) R=OCH & R'=CH &
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DEMIDOVA, G.N.; PIRISKHALAVA, R.N.; ROZENSHYL)Y, L.P.; T.FFUGOVA, H.F.; KOTLYAREVSKIY, I.I.

Absorption spectra, electric conductivity, and photoconductivity of polyazo polyarenes. Elektrokhimia 1 no.9:1145-1149 S '65.

(MIRA 18:10)

l. Institut poluprovodnikov AN SSSR i Institut kinimicheskoy kimetiki i goreniya Sibirakogo otdoleniya AN SSSR.

BOLDYRSV, V.V.; SHMIDT, I.V.; PIS'MENKO, V.I.; SHVARTSBERG, M.S.; KOTLYAREVSKIY, I.L.; ANDRIYEVSKIY, V.N.; KOMAROV, V.F.

Effect of additions of organic compounds with conjugated bonds on the rate of thermal decomposition of solids. Kin. i kat. 6 no.4: 766 J1-Ag '65. (MIRA 18:9)

1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN SSSR.

L 1L706-66 EWT(m)/EWP(j)/T RM
ACC NR: AP6002106 SOURCE CODE: UR/0062/65/000/011/2079/2081
AUTHORS: Shergina, S. I.; Kotlyarevskiy, I. L.; Zanina, A. S.
ORG: Institute for Chemical Kinetics and Combustion, Siberian Branch of the
Academy of Science SSSR (Institut khimicheskoy kinetiki i goreniya, Sibirskogo
otdeleniya Akademii nauk SSSR)
M
TITLE: Polyacetylene compounds, derivatives of di-, tri-, and tetraphenylethylene
SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 2079-2081
TOPIC TAGS: polymer, organic chemistry, conjugated polymer, organic synthesis process, acetylene
ABSTRACT: To extend the investigations of the authors (Izv. AN SSSR. Ser. khim. 1963, 2197) and in particular to study the properties of conjugated polymers. the following polyacetylene monomers were synthesized: 4,4 dethynylstilbene I,11,1,2-tris-(p-ethynylphenyl)ethylene III, and 1,1,2,2-tetrakis-(p-ethynylphenyl)ethylene III.  The initial stages of the synthesis consist of the acetylation of a hydrocarbon which contains a double bond between phenyl nuclei. A reaction scheme for the synthesis is presented. Oxidative polycondensation of the monomers I, II, and III in presence of cuprous chloride yielded the corresponding oligomers. The latter gave a narrow
intensive EPR signal of $\simeq 10^{18}$ unpaired spins per gram and had an electrical
Card 1/2 UDC: 542.91+547.362
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# L 11,706-66 ACC NR: AP6002106 resistance of ~ 10<sup>14</sup> ohm cm. The yields, melting points, and IR absorption of the C = C and = C - H bonds for the synthesized monomers are listed. Orig. art. has: 3 equations. SUB CODE: 07/ SUBM DATE: 04Mar65/ ORIG REF: 001/ OTH REF: 001

EUT(m)/ENP(1)/T ACC NR: AP6009802 3 SOURCE CODE: UR/0062/66/000/002/0360/0362 Shishmakova, T. G.; Bardamova, M. I.; Kotlyarevskiy AUTHOR: ORG: Institute of Chemical Kinetics and Combustion, Siberian Department of the Academy of Sciences, SSSR (Institut khimicheskoy kinetiki i goreniya Sibirakogo otdeleniya Akademii nauk SSSR) TITLE: Synthesis of vinylacetylene aromatic bydrocarbons from unsaturated katones SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, TOPIC TAGS: aromatic ketone, aromatic hydrocarbon, alkyne, polycondensation ABSTRACT: The stabilizing effect on aromatic vinylacetylenes of introducing a phenyl radiacal in the vinyl group and of substituting the monophenyl with a diphenyl group were investigated. Mono- and divinglacetylene derivatives of aromatic hydrocarbons were synthesized by reacting unsaturated aromatic ketones with PClg and NaNH2. Thus 1-biphenylylbutene-1-ine-3 (I) was synthesized from p-phenylbenzalacetore and 1,4-bis(2'-phenylbutene-l'-ine-3'-yl-1')benzene (II), from Card 1/2

Card 2/2dda

UDC: 542.91+547.362

AUTHOR: Kotlysrevskiy, I. L.; Shvertsberg, M. S.; Vasilevskiy, S. F.;  Andriyevskiy, V. N.  ORG: Institute of Chemical Kinetics and Combustion, Siberian  Department of the Academy of Sciences (Institut khimicheskoy kinetiki i  gorenlya Sibirskogo otdelenlya Akademii nauk)  TITLE: Highly unsaturated polymers Report 13. Polynuclesr  moncondensed diethynylarenes  SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966,  POPIC TAGS: polymer, polynuclear hydrocarbon, aromatic hydrocarbon, solubility  Alkyne, condensation reaction, polymerization, polycondensation,  BESTRACT: Reactions were run to confirm that the introduction of methyl iethynylarene molecule increases its solubility, thus permitting the ollowing compounds were synthesized: 1, 2, diethynyl-1, 23, 1, 4, tetramethyl-p-  Cord 1/2	ACC NRI	2-66 ENT(m)/EN AP6009795		IIR/0062/44/00040004	
ORG: Institute of Chemical Kinetics and Combustion, Siberian  Department of the Academy of Sciences (Institut khimicheskoy kinetiki i gorenlya Sibirskogo otdeleniya Akademii nauk)  TITLE: Highly unsaturated polymers Report 13. Polynuclear moncondensed diethynylarenes  SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966,  TOPIC TAGS: polymer, polynuclear hydrocarbon, aromatic hydrocarbon, solubility  ABSTRACT: Reactions were run to confirm that the introduction of methyl introduction of a coups or of an oxygen bridge in the p-polyphenylene segment of a ynthesis of diacetylenes containing a greater number of rings. The conduction of methyl interpolyphenylenels of the polyphenylenels of rings. The imethyl phenyl, 1, 4, -diethynyl-12, 23, 3, 4, - tetramethyl-p-	AUTHOR:			erg, M. S.; Vasilevskiy	02/0308 . s. f.;
TITLE: Highly unsaturated polymers Report 13. Polynuclear moncondensed diethynylarenes  SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966,  FOPIC TAGS: polymer, polynuclear hydrocarbon, aromatic hydrocarbon, alkyne, condensation reaction, polymerization, polycondensation, solubility  BSTRACT: Reactions were run to confirm that the introduction of methyl iethynylarene molecule increases its solubility, thus permitting the ollowing compounds were synthesized: 1, 2, 2, diethynyl-1, 23, 23, 4, eteramethyl-p-	FOT GUT A 8	estitute of Che ent of the Acad a Sibirakogo ot	mical Kinetics and omy of Sciences () deleniva Akademii	d Combustion, Siberian Institut khimicheskoy k	43
Cord 1/2  TOPIC TAGS: polymer, polynuclear hydrocarbon, aromatic hydrocarbon, alkyne, condensation reaction, polymerization, polycondensation, solubility  ABSTRACT: Reactions were run to confirm that the introduction of methyl records or of an oxygen bridge in the p-polyphenylene/segment of a ynthesis of diacetylenes containing a greater number of rings. The imethylbiphenyl, 1, it diethynyl-12, 23, 32, 43 tetramethyl-p-	TITLE:	Highly ungaham	n	port 13. Polynuclear	
Cord 1/2  TOPIC TAGS: polymer, polynuclear hydrocarbon, aromatic hydrocarbon, alkyne, condensation reaction, polymerization, polycondensation, solubility  ABSTRACT: Reactions were run to confirm that the introduction of methyl records or of an oxygen bridge in the p-polyphenylene/segment of a ynthesis of diacetylenes containing a greater number of rings. The imethylbiphenyl, 1, it diethynyl-12, 23, 32, 43 tetramethyl-p-	SOURCE: 302-308	AN SSSR. Izve	estiya. Seriya kh	imicheskaya, no. 2, 196	6,
BSTRACT: Reactions were run to confirm that the introduction of methyl roups or of an oxygen bridge in the p-polyphenylene/segment of a jethynylarene molecule increases its solubility, thus permitting the ynthesis of diacetylenes containing a greater number of rings. The ollowing compounds were synthesized: 1, 2, 2, diethynyl-12, 23, 32, 4 - tetramethyl-p-	OPIC TAC	GS: polymon			
	BSTRACT: roups or iethynyl	Reactions we of an oxygen larene molecule	re run to confirm bridge in the p-po increases its so	that the introduction olyphenylene/segment of lubility, thus permitting reater number of rings.  24-diethynyl-1%, 23- 32, 43-tetramethyl-1	of methyl a ng the The

## 24312-66

## ACC NR: AP6009795

quadriphenyl, and u-ethynyl-u-(p-ethynylphenoxy)biphenyl. Polymers of these compounds were obtained by oxidative polycondensation in alcoholpyridine with a polycuprous chloride complex as catelyst. Condensation could not be effected in aqueous-alcohol or aqueous-acetone solutions. The polymers obtained were partially soluble in benzene. Orig. art. has: 1 figure.

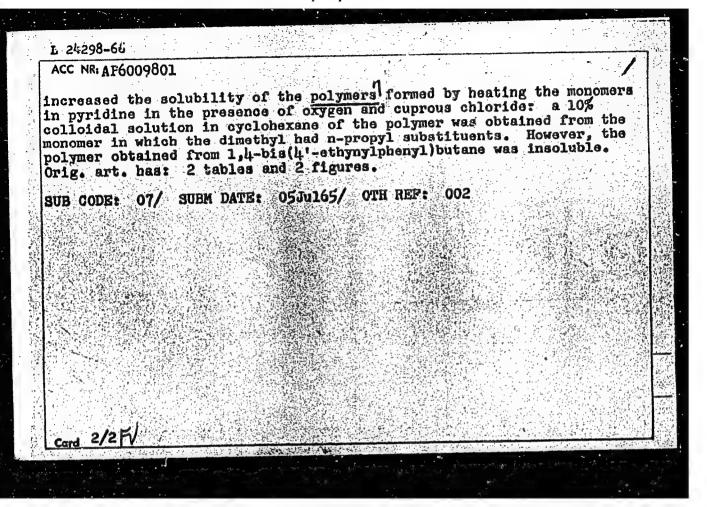
SUB CODE: 07/ SUBM DATE: 090at63/ ORIG REF: 003/ OTH REF: 006

Card 2/2 W

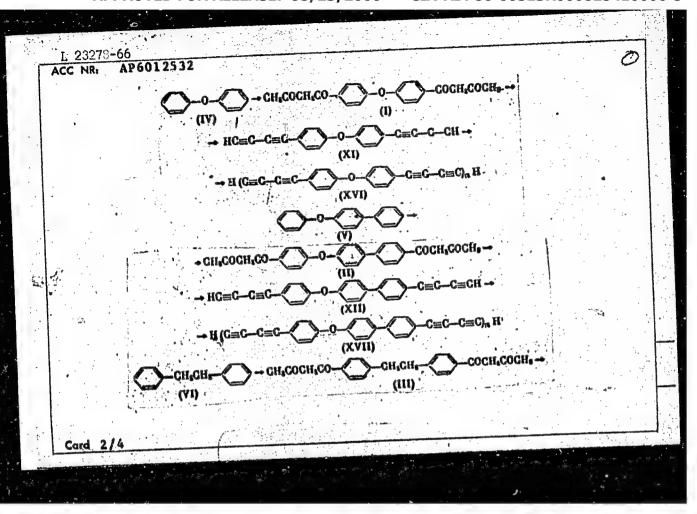
APPROVED FOR RELEASE: 08/23/2000

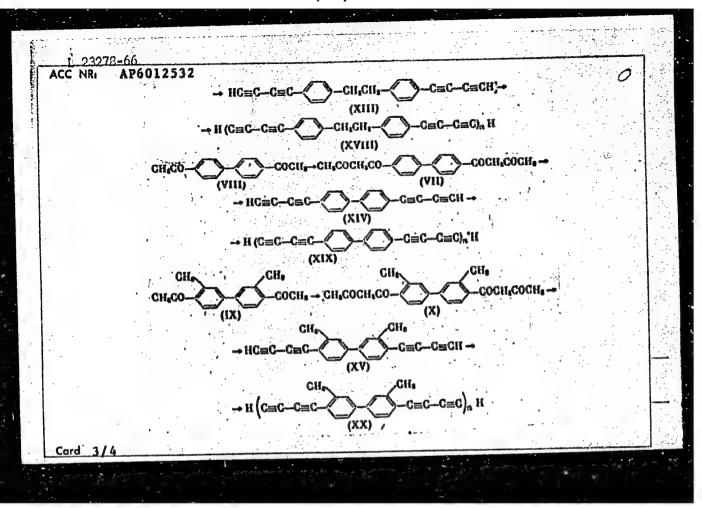
CIA-RDP86-00513R000825410006-5"

ENT(m)/EMP(j)/T I. 24298-66 SOURCE CODE: UR/0062/66/000/002/0358/0369 ACC NR: AP6009801 Kotlysrevskiy, I. L.; Shergins, S. I.; Zenina, A. S. 39 AUTHOR: ORG: Institute of Chemical Kinetics and Combustion, Siberian Department of the Academy of Sciences, SSSK (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR) TITLE: Preparation of diacetylene derivatives of 1,2-diphenylethane and l. L-diphenylbutane SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 2, 1966, 358-360 TOPIC TAGS: aromatic hydrocarbon, alkyl benzene, polycondensation, polymer, solubility ABSTRACT: The effect of substituents in the ethylene bridge of UDC: 542.91+547.362 Card 1/2

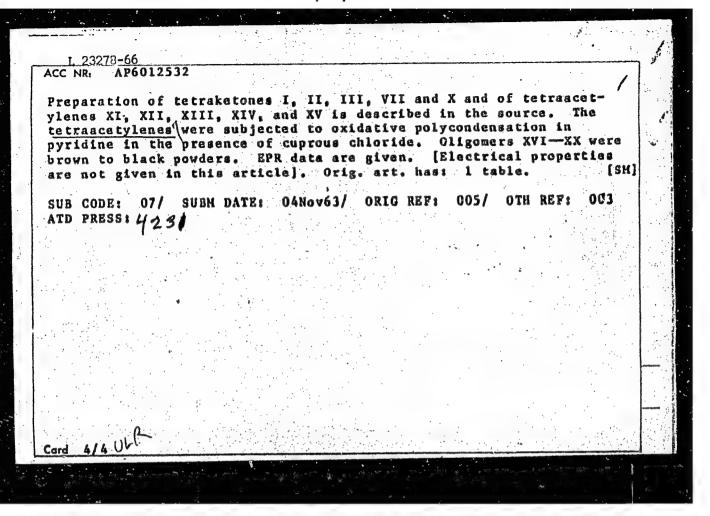


SOURCE CODE: UR/0062/66/000/003/0527/0533 23278-66 EYT(m)/EVP(i) IJP(c) RM AP6012532 ACC NRI Shvartsberg, H. S.; Kotlyarevskiy, I. L.; Andriyevskiy, V. H., AUTHOR: Vasilevskiy, S. F. ORG: Institute of Chemical Kinetics and Combustion, Siberian Department of the Academy of Sciences SSSR (Institut khimicheskoy kinetiki i goreniya Sibirakogo otdeleniya Akademii nauk SSSR) Communication 14. Poly[bis= TITLE: Highly unsaturated polymers. (butadiynyl) arenes] SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 527-533 TOPIC TAGS: organic semiconductor, semiconducting polymer, polyacetylene, polyphenylene ABSTRACT: New poly[bis(butadiynyl)arone] oligomers have been synthesized as part of a systematic investigation of the effect of structure on the electrical properties of conjugated polymers. The oligomers were prepared as follows: UDC: 542.952+547.362 Card 1/4





## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5



9

L 23866-66 ENT(m)/ENP(j)/T LIP(c) WW/R:

ACC NR: AP6014409 SOURCE CODE: UR/0062/66/000/004/0713/0720 4/8

AUTHOR: Terpugova, M. P.; Kotlyarevskiy, I. L.; Andriyevskaya, E. K.B.

ORG: Institute of Chemical Kinetics and Combustion, Siberian Department of the Academy of Sciences SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Highly unsaturated polymers. Communication 15. Synthesis and some physical properties of polyazopolyarenes?

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 4, 1966, 713-720

TOPIC TAGS: organic semiconductor, semiconducting polymer, polyaropolyarene, oxidative polycondensation, electric property

ABSTRACT: New home- and co-polymeric polyazopolyarenes have been prepared and their physical and electrical properties investigated. This work was part of a systematic study of the effect of the structure of highly unsaturated polymers on their properties. The polymers had the general formula,

H2H-Ar-H(-H-Ar'-H-H-Ar-H)n-H-Ar'-HH2

Card 1/2

3

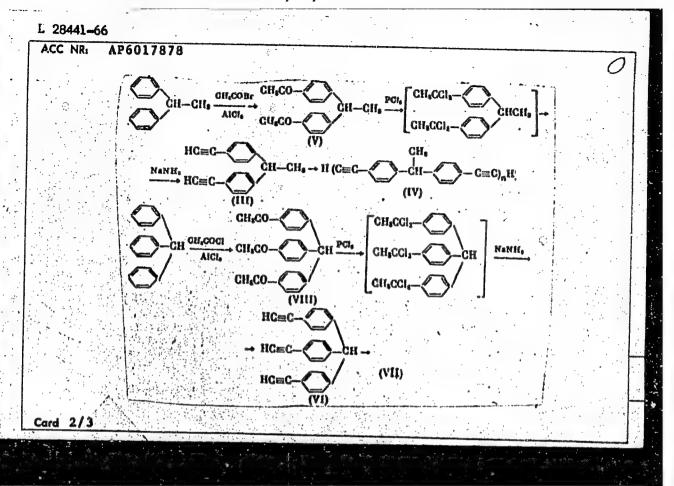
## L 23866-66 ACC NR: AP6014409

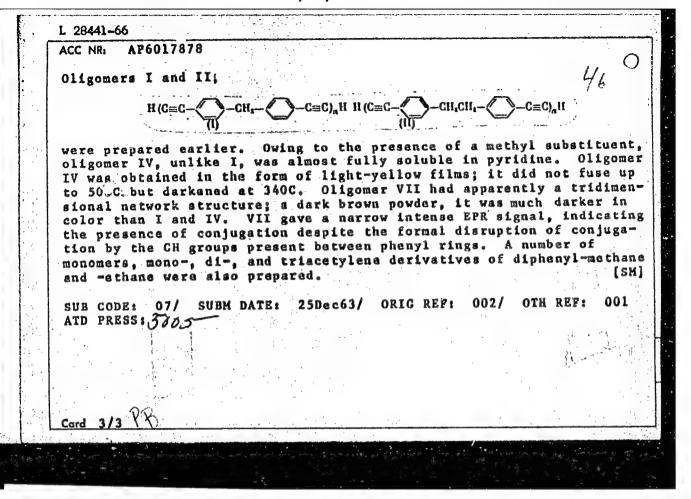
where Ar and Ar' may be identical or different. The homo- and copolymers (listed in the source) were prepared by oxidative polycondens. sation of aromatic diamines in pyridine solution in the presence of The diamines used were o-tolidine, bis (p-aminophenyl)methane and 4,4'-diaminostilbene. In addition, o-phenylenediamine was used, which should not form straight-chain polymers, and (p-aminophenyl) acetylens, which should form polymers containing both azo and butadiyne groups in the backbone. Butadiyne groups should form cross-links on heating, thereby improving electrical conductivity. These dismines and (p-aminophenyl) acetylene were homopolymerized and copolymerized with each other and with p-phenylenediamine, benzidine, and chrysoidine. The polymer structures were confirmed by elemental analysis and IR spectroscopy, and showed an EPR signal. Elemental analysis and IR spectra revealed partial oxidation to form -N+0 bonds. Branched homo- and co-polymers were fusible and more soluble in chloroform, tetrahydrofuran, acetone, and dioxane than the infusible [straightchain polymers. The room temperature conductivity of all the polymers was low, 10-13 to 10-14 mho/cm, but rose rapidly with temperature. reaching 10-8 to 10-7 mho/cm for some of the polymers at 200-250C. Some of the polymers exhibited a very high activation energy for conduction, 2-3.5 ev. Orig. art. has: 3 tables and 1 figure.

SUB CODE: 07, 11/ SUBM DATE: 18Nov63/ ORIG REF: 002/ OTH REF: 004

ATD PRESS:4246 Card 2/24da

L 28441-66 ENT(m)/ENP(J)/T ACC NRI AP6017878 IJP(c) WW/RM SOURCE CODE: UR/0062/66/000/005/0902/0908 AUTHOR: Koclyaravakiy, I. L.; Zanina, A. S.; Shergina, S. I.; Loboda, L. I. ORG: Institute of Chemical Kinetics and Combustion, Siberian Depart mant, Academy of Sciences SSSR (Institut khimicheskoy kinetiki i goreniya Sibirakogo otdeleniya Akademii nauk SSSR) 46 TITLE: Highly unsaturated polymers. Communication 16. compounds, derivatives of di-, tri-phenylmethane and diphenylethane Polyacetylene AN SSSR. Izvestiya. Seriya khimichaskaya, no. 5, 1966, 902-908 TOPIC TAGS: organic semiconductor, semiconducting polymer, heac resistant polymer, polyacetylene, polyarylene, oligomer ABSTRACT: New highly unsaturated oligomers IV and VII (see below) having alternating arylene and diacetylene groups in the backbone were prepared which combine high heat resistance and solubility in some organic solvents. It is noted that such oligomers are of practical interest, even if their electrical conductivity proves to be low, for such applications as heat resistant dielectrics. Oligomers IV and VII were prepared as follows: Card 1/3 UDC: 547,362+542,952





EWP(j)/EWI(m)/T IJP(c) RM ACC NRI AP6017879 SOURCE CODE: UR/0062/66/000/005/0909/0914

AUTHOR: Kotlyarevskiy, I. L.; Bardamova, M. I.; Shishmakova, T. G.

ORG: Institute of Chemical Kinetics and Combustion, Siberian Department, Academy of Sciences SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya

TITLE: Highly unsaturated polymers. Communication 17. Synthesis of mono- and di-ethynylvinyl derivatives of benzene and oxidative condensation thereof

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 909-914

TOPIC TAGS: organic semiconductor, semiconducting polymer, polyacetylene, poly-

New unsaturated polymers V (see below) with alternating double and triple ABSTRACT: bonds in the backbone have beep prepared by a new route. It is noted that the polymers previously prepared by the authors,

$$((C = C)_m - \Lambda r - (C = C)_m]_n$$

where m=1 and 2, contained diacetylene and tetraacetylene bonds in the backbone. To determine the difference between the effect on properties of double and triple bonds, it was of interest to prepare such polymers in which triple bonds would be

UDC: 547.362+542.952

L 29386-66

ACC NR: AP6017879

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R0008 partly or fully replaced by double bonds. Polymer V was prepared as follows: CIA-RDP86-00513R000825410006-5

$$H = \frac{-\text{CH} - \text{CH} - \text{CH} - \text{CH}}{-\text{CH} - \text{CH}} = \frac{\text{PCI}_0}{\text{NENH}_0}$$

$$\rightarrow \frac{\text{II}_0 \text{C} - \text{CCI}_0 - \text{CII} = \text{CH}}{-\text{CH} - \text{CH}} = \frac{\text{CH} - \text{CCI}_0 - \text{CH}}{\text{NH}_0} = \frac{\text{NENH}_0}{\text{NH}_0}$$

$$\rightarrow \frac{\text{II}_0 \text{C} - \text{CH} = \text{CH}}{-\text{CH}} = \frac{\text{CH}}{-\text{CH}} = \frac{\text{CH$$

Polymer V was a brown powder. It gave a narrow, intense EPR signal which indicates continuous conjugation/in the backbone. Elemental analysis and IR spectroscopy indicated the presence of some carbonyl substituents, apparently due to hydration of end-group triple bonds. To determine the effect on properties of the removal of the double bonds in V, polymer IX was prepared as follows:

$$H_{\theta}C-CO-CH=CH-CH=CH-CO-CH_{\theta}\xrightarrow{H_{\theta}}$$

$$(VII)$$

$$+ 1I_{\theta}C-CO-CH_{\theta}-CH_{\theta}-CH_{\theta}-CH_{\theta}-CO-CH_{\theta}\xrightarrow{POl_{\theta}}$$

$$(X)$$

Card 2/3

## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5

L 44191-66 IJP(c) WW/RM ACC NR: AP6013281 (A) SOURCE CODE: UR/0413/66/000/008/0079/0079 INVENTOR: Kotlyarevskiy, I. L.; Zanina, A. S.; Gusenkova, N. M.; Sokolov, I. Ye.; Cherepov, Ye. I. ORG: none TITLE: Preparation of oligomers. Class 39, No. 180797 [announced by the Institute for Chemical Kinetics and Combustion, Siberian Branch, Academy of Sciences, SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 79 TOPIC TAGS: oligomer, polyarylene, polyacetylene, polycondensation factualist ABSTRACT: This Author Certificate introduces a method for preparing an oligomer of the polyarylene polyacetylene series by oxidative polycondensation of diacetylene. To obtain soluble polymer compounds with high heat resistance and dielectric strength, 2, 2-bis-(4' -methoxy-3' -ethynylphenyl)-propane is suggested as the diacetylene. [LD] SUB CODE:0711/ SUBM DATE: 29Mar65/ Card 1/1 Curiny

L 45725-66 EWT (m) / EWP (1) / T ACC FIRE AP6024413

SOURCE CODE: UR/0020/66/169/001/0111/0113

AUTHOR: Dilov, A. A.; Slinkin, A. A.; Rubinshteyn, A. M.; Kotlyarevskiy, I. L.; Shvartsberg, M. S.; Andriyevskiy, V. N.; Zanina, A. S.; Shergina, S. I.

ORG: Institute of Organic Chemistry im, N. D. Zolinskiy, Academy of Sciences, SSSR (Institut organicheskoy khimii Akademii nauk SSSR); Institute of Chemical Kinetics and Combustion, Siberian Branch, Academy of Sciences, SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Influence of disturbance of conjugation on the properties of semiconducting

SOURCE: AN SSSR. Doklady, v. 169, no. 1, 1966, 111-113

TOPIC TAGS: semiconducting polymer, conjugated polymer, semiconductor conductivity

ABSTRACT: It has been frequently reported in the literature that the disturbance of conjugation in organic semiconductors as a result of either noncoplanarity of aromatic rings or introduction of aliphatic, oxygen, or sulfur bridges into the conjugated chain lowers the electric characteristics. In the present paper, the intensity of the influence of these different types of conjugation disturbances was compared in a series of polymers of a single class, the polyarylenepolyacetylenes whose electrical conductivity of and ESR spectra were measured. The introduction of various groups disturbing the conjugation into the conjugated chain was found to hinder the processes of

UDC: 541.67

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000825410006-5"

ACC NRI AP6025401

SOURCE CODE: UR/0062/66/000/007/1272/1275

AUTHOR: Shvartaberg, M. S.; Andriyevskiy, V. N.; Kotlyarevskiy, I. L.

ORG: Institute of Chemical Kinetics and Combustion, Siberian Department, Academy of Sciences, SSSR (Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Synthesis of some di- and tetraacetylenic amines

SOURCE: AN SSSR. Izv. Ser khim, no. 7, 1966, 1272-1275

TOPIC TACS: diacetylenic amine, alkyl arylamino diacetylene, tetraacetylenic amine, ABSTRACT:

The physiologically active acetylenic amines are usually obtained in low yields by the time-consuming Mannich reaction. It was found that in the presence of Cu<sub>2</sub>Cl<sub>2</sub> at 40—80°C, depending on the diamine present, aryldiacetylenes react with paraform and secondary amines to form 1-N, Ndialkylamino-5-aryl-2,4-pentadiynes:

Card 1/4

ACC NR: APPRENDITED FOR RELEASE: 08/23/2000 3R000825410006-5

$$R - C = C - C = CH + HCHO + HNR'R' \rightarrow R - C = C - C = CCH_1NR'R' + H_1O$$

$$R - C = C - C = CCH_1NR'R' + H_1O$$

where: R, R, and R are H or C2H5 (see table):

ACC NR: AP6025401

Under the same conditions, condensation of p,p'-bis(butadiynyl)diphenyl oxide with paraform and diethylamine gave the tetraacetylenic amines V (mp 52—52.5°C) and VI (mp 150—152°C):

$$HG \equiv C - C \equiv C - C = CH \xrightarrow{HGHO, HN(C_0H_0)_0}$$

$$- \left[ HG \equiv C - C \equiv C - C = C - C \equiv C - C \equiv C + N(C_0H_0)_1 \right]$$

$$(C_0H_0)_1 NCH_1 C \equiv C - C \equiv C - C = C - C \equiv C - C \equiv$$

Orig. art. has: 1 table.

[W.A. 50; CBE No. 10]

SUB\_ CODE: 07/ SUBM DATE: 22Dec65/ ORIG REF: 004/ OTH REF: 001/

Card 4/4

APPROVED FOR RELEASE: 08/23/2000 CE COLA-REPRO 9051379009835410906-5

AUTHOR: Kotlyarevskiy, L. N.

TITLE: Methods of flight and joining photographs for large scale aerial topographic

SOURCE: Ref. zh. Geofiz, Abs. 3L102

REF SOURCE: Byul. nauchno.-tekhn. inform. Vses. n.-i in-t ekon. mineral'n. syr'ya i geologorazved. rabot, no. 1(54), 1965, 48-50

TOPIC TAGS: aerial survey, aerial photography, navigation aid

TRANSLATION: The essential feature of the proposed technique is the use of aerial networks for topographic purposes as well as for a preliminary orientation. In such cases, the network should be worked out prior to the initiation of field work. The networks should be drawn on the same scale as the proposed scale of mapping, or somewhat larger. The gaps between the available aerial networks could be 4 to 10 km. After mounting the aerial networks, the gaps are filled from existing topographic maps. The composite is then cut along the boundaries of the trapezia. Maps so prepared may be satisfactorily used by a navigator. L. Margevich.

SUB CODE: 08.01

UDC: 528.72:550.830

Card 1/1

KOTLYARRYSKIY, K.I., professor; GORSHEIRVA, L.S., KHOZAK, L.R.

Effect of X rays on the higher nervous activity of animals (white rats) Med.rad. 1 no.3:11-19 My-Je \*56. (MIRA 9:10)

1. Iz Instituta vysshey nervnoy deyatel'nosti (dir. - deystvitel'nyy chlen AMN SSSR prof. A.G. Ivanov-Smolenskiy) AN SSSR.

(ROENTGEN RAYS. eff.

on higher nervous funct. in white rats)
(GEMTRAL MERVOUS SYSTEM, eff. of drugs on radiations on x-ray eff. on higher nervous funct. in white rats)

KOTLYAREVSKIY, K.V., insh.

«cocased

Hidden potentialities for making savings in planed venner. Der.prom. 9 no.12:5-6 D \*60. (MIRA 13:12)

1. TSentral'nyy nauchno-iseledovatel'skiy institut fanery i mebeli.
(Veneers and veneering)

KOTLYAREVSKIY, K.V.[deceased]; KOTLYAREVSKAYA, G.A.; SMIRNOV, A.V., red.; SHENDAREVA. L.V., tekhn. red.; MILIKESCVA. I.F., tekhn. red.

[Economical expenditure of veneer] Ratsional nyi raskhod stroganoi fanery. Moskva, TSentr.in-t tekhn. informatsii 1 ekonomicheskikh isəl. po lesnoi, bumazhnoi i derevoobrabatyvaiu-shchei promyshl., 1962. 43 p. (MIRA 16:9)

(Veneers and veneering)

## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5

KOTLYAREVSKIY, L. I.

"Experimental Investigation of the Pathophysiological Mechanisms of the Action of a Manganese Compound on the Activity of the Central Nervous System; Particularly, the Cerebral Cortex of Animals." Sub 13 Mar 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 180, 9 May 55

## KOTLYAHEVSKIY, L.I.

Commence of the Commence of th

Effect of experimental disruption of the higher nervous function on the course of neurointoxication in animals. Zh. vysshei nerv. deiat. Pavlova 1 no.3:405-422 May-June 1951. (CIML 23:2)

1. Department of the Pathophysiology of Higher Nervous Activity. Institute of Higher Nervous Activity, Academy of Sciences USSR.

Thisturbances of Higher Nerve Activity on Poison- skiy, Div of Pathophysiol of Higher Nerve Activity on Poison- skiy, Inst of Higher Nervous Activity on Poison- skiy, Inst of Higher Nervous Activity, Acad Sci Thur Vyssh Nerv Deyat" Vol I, No 4, pp 579-662 Expts were made with bulbocapaine introduced into white rate and dogs to test effects on the nervous system. Results in dogs are: quickly passing stimulation followed by immobilization in flexed position (arched back) and later sleeplike 194782 USSR/Medicine - Bulbocapaine (Contd) Jul/Aug 51 condition. Severity of the effect and duration of the condition varies in balanced and unbalanced animals.  194782
Haturbances of Higher Nerve Activity of Animals by Bulbocapnine," L. I. Kety, Inst of Pathophysiol of Higher Nerve Liy, Inst of Higher Nervous Activity, A Ker hur Vyssh Nerv Deyat" vol I, No 4, pp 1975 were made with bulbocapnine introducter rats and dogs to test effects on the stem. Results in dogs are: quickly paramulation followed by immobilization in sition (arched back) and later sleepling the condition. Severity of the effect and duthe condition varies in balanced and usingle.

## KOTLYAREVSKIY, L.I.

Method of production of motor conditioned reflexes in certain small animals (white rats and guinea pigs). Zh. vysshei nerv. deiat. 1 no. 5:753-761 Sept-Oct 1951. (CIML 23:3)

1. Department of the Pathophysiology and Therapy of Higher Nervous Activity of the Institute of Higher Nervous Activity, Academy of Sciences USSR.

KOTLYAREYSKIY, L. I.			234745
2341745	phasal symptoms in the cortex, and, finally, in complete disappearance of conditioned reflexes. The course that intoxication takes in majority of cases depends on typological characteristics of the higher nervous activity of animals. Materials presented are last exptl steps that deal particularly with sleep therapy in cases of impairment of higher nervous activity caused by toxic substances. Although results obtained were pos, evidence for its use is not conclusive to consider using it in place of established methods.	"Zhur Vyssh Nerv Deyat" Vol 2, No 4, pp 532-591 Intoxication produces, in the cortex of the large hemispheres, symptoms of defensive, protective inhibition expressed in abatement of conditioned reflexes, prolongation of their latent period, development of 234T45	USSR/Medicine - Toxicology  "Impairment of Higher Nervous Activity in Animals, Caused by the Action of Various Poisons, and Experimental Therapy of This Type of Impairment," L. I. Kotlyarevskiy, Inst of Higher Nervous Activity, Acad Sci USSR

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R000825410006-5"

# ROTLYAREVSKIY, L.I. Pavlovian theory on the higher nervous function, Med. sestra, Moskva no. 12:3-7 Dec 1952. (CIML 23:3) 1. Doctor Medical Sciences.

# NOTLYAREVSKIY, L.I.

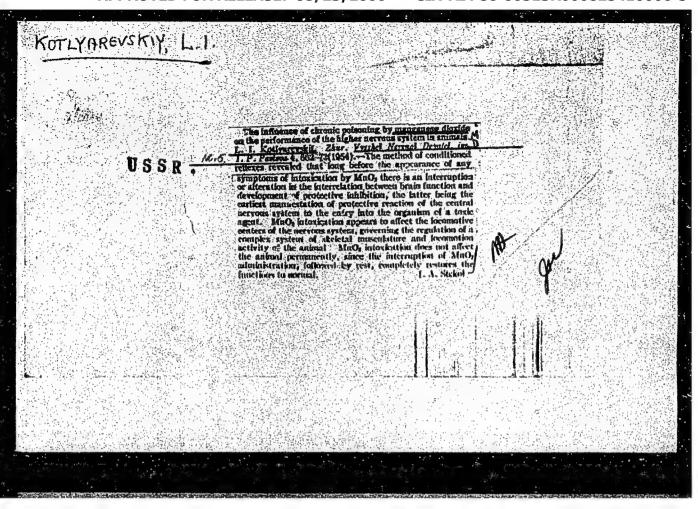
LEPESHINSKAYA, O.B., professor; USIYEVICH, M.A., professor; ASRATYAN, E.A., professor; SMIRMOV, A.I., professor; FILIPPOVICH, S.I., doktor meditsinskikh nauk; VOLCKHOV, A.A., professor; FILIMONOV, I.M., professor; SNYAKIN, P.G., professor; CHERNIGOVSKIY, V.M., professor; SPERANSKIY, A.D., akademik; DOLIN, A.O., doktor meditsinskikh nauk; KOTLYAHEVSKIY, I.I., professor; NEGOVSKIY, V.A., professor; KASATKIN, M.T., professor; STELLCHUK, I.V., professor; YEGOROV, B.G., professor; BAKULEV, A.M., professor; SMIRNOV, L.I., professor; USPENSKIY, V.M., redaktor; PETROV, S.P., redaktor.

[Teachings of I.P.Pavlov in theoretical and practical medicine]
Uchenie I.P.Pavlova v teoreticheskoi i prakticheskoi meditsine. Vol.2.
Moskva, Izd-vo Ministerstvo sdravookhraneniia SSSR, 1953. 611 p.
(KLRA 7:3)

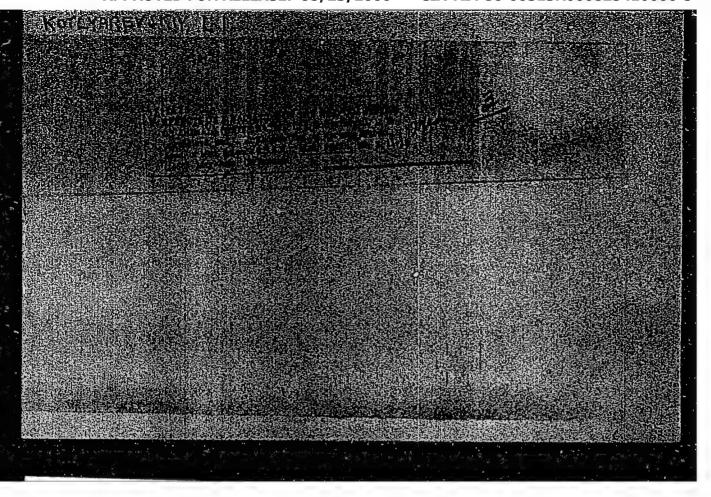
1. Deystvitel'nyy chlen AMN SSSR (for Lepeshinskaya, Chernigovskiy and Bakulev). 2. Chlen-korrespondent Akademii nauk SSSR (for Asratyan).
3. Chlen-korrespondent AMN SSSR (for Smirnov, Filimonov, Yegorov and L.I.Smirnov). 4. Moscow. TSentral'nyy institut usovershenstvovaniya vrachey.

(Pavlov, Ivan Petrovich, 1849-1936) (Nervous system) (Physiology)

## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5



"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5



KOTLYAREVSKIY, L.I.

Methods for studying conditioned motor food reflexes in animals. Trudy Inst. vys. merv.deiat. Ser.patofiziol. 3:23-28 '57. (MIRA 10:8) (CONDITIONED RESPONSE)

T-10

USSR/Human and Animal Physiology - Nervous System. Higher Nervous Activity. Behavior.

APPROVED FOR RELEASE: 08/23/2000, 3203A-RDP86-00513R000825410006-5

Abs Jour

Author

: Kotlyarevskiy, L.I.

Inst Title : New Method of Investigation of Conditioned Motor-Food

Reflexes in Dogs.

Orig Pub

Tr. In-ta vyssh. nervn. seyat-sti AN SSSR, ser. patofiziol.,

1957, 3, 29-32.

Abstract

The method provides registration of reflex movements accomplished by a limited group of muscles without fixation of the animal on a bench. In the course of several days, the dog was trained to jump up and stand on the bench. Over the location of the feeder, a transporant box was placed. The dog was trained to push the box .ith his muzzle. By the precedence of indifferent stiruli to the approach of the feeder, positive and inhibiting reflexes were

Card 1/2

## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5

## KOTLYAREVSKIY, L. I.

"On certain peculiarities of the higher nervous activity of white rats under psysiological and pathological conditions".

report presented at a Joint Session of the Biological Dept. of AN USCR and Biological and Medical Depts. AN Gruziya SSR, Tbilisi, 28- Sept 3- October 1957. Vestnik Akad. Nauk SSSR, 1958, Vol. 28, No. 1, pp. 121-125. (author Dzidzishvili, N. N.)

KOTLYAREVSKIY, L.I., prof.

:1:

Status and prospects of the experimental treatment of the problem of the pathology of the higher segments of the central nervous system in animals. Trudy Inst.vys.nerv.deiat.Ser. patofiziol. 6:20-26 '59. (MIRA 12:10) (MERVOUS SYSTEM--DISEASES)

## "APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410006-5

KOPLYMEVSKIY, L.I.

Herve mechanisms of higher central nervous system disorders in animals (white rats) in streptococcal intoxication. Trudy Inst. vys.nerv.deiat.Ser.patofiziol. 6:29-37 '59. (HIRA 12:10) (HERVOUS SYSTEM) (STREPTOCOCCAL INFECTIONS)

## KOTLYAHAVSKI Control

Neural mechanisms of the influence of prolonged sleep on higher nervous activity impaired by experimental streptococcal intoxication in animals (white rats). Trudy Inst.vys.nerv.deiat.Ser. patofiziol. 6:209-216 \*59. (MIRA 12:10) (NERVOUS SYSTEM) (SLEEP-THERAPEUTIC USE) (STREPTOCOCCAL INFECTIONS)

KOTLYAREVSKIY, Lev Izrailevich; GASANOV, U.G., red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

> [Mechanisms of the action of manganese on the central nervous system of animals] Mekhanizmy deistviia margantsa na tsentral'nuiu nervnuiu sistemu zhivotnykh. Moskva, Izd-vo Akad. nauk SSSR, 1961. 198 p.
>
> (MIRA 14:8)

(MANGANESE -TOXICOLOGY) (NERVOUS SYSTEM)

CIA-RDP86-00513R000825410006-5" APPROVED FOR RELEASE: 08/23/2000

# Nervous mechanisms of the activity of the higher sections of the contral nervous system in white rats. Trudy Inst. vys. nerv. delat. Ser. patofiziol. no.9:3-15 '61. (MINA 15:4) (CONDITIONED RESPONSE)

KOTLYAREVSKIY, L.N., student V kursa.

The history of the development and operational principle of aerial magnetometers. Shor.stud.rab. SAGU no.12:52-54 '55. (MLRA 9:5)

(Magnetometer)

S/169/62/000/007/056/149 D228/D307

AUTHORS:

Kotlyarevskiy, L. N. and Akhmatov, P. G.

TITLE:

Effectiveness of aeromagnetic surveying in geologic mapping, prospecting for iron ore deposits, and solving other problems in Uzbeskistan (Discourse theses)

PERIODICAL:

Referativnyy zhurnal, Georizika, no. 7, 1962, 29, abstract 7A:90 (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 527-528)

TEXT: Aeromagnetic surveying in Uzbekistan allows Paleozoic structures beneath sedimentary deposits to be mapped and the sites of large intrusives to be defined more precisely. The effectiveness of aeromagnetic surveying for seeking local anomalies, related to iron ore deposits, has been confirmed by many examples; nevertheless, it encounters a number of limitations, caused by the magnetic field's complex morphology and by the procedure's imperfect application. The effectiveness of aeromagnetic surveying is lowest

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APPROVED FOR RELEASE: 08/23/2000 CIA

CIA-RDP86-00513R000825410006-5"

	5/169/63/000/002/109/127
	D263/D307
AUTHORS:	Kotlyarevskiy, L. N. and Akhmatov, P. G.
TITLE:	The effectiveness of aeromagnetic surveying in the search for iron ore deposits, in geological charting, and in solution of other problems in Uzhekistan
PERIODICAL:	Referativnyy zhurnal, Geofizika, no. 2, 1963, 29, ab- atract 2D176 (Byul. nauchno-tekhn. inform. M-vo gool. i okhrany nedr SSSR, 1962, no. 1 (35), 82-85)
vey of east concluded t are magneti with the zo the carbona of main and is made of (1:50,000 a	main results are given of a large scale aerophysical sur- ern Uzbekistan in search for iron ore deposits. It is hat of the areas studied the most promising for iron ore hat of the areas studied the most promising for iron ore canomalies of intensity greater than 300 f, associated nes of contact of the upper Varissk granodiorites with te deposits of the Carboniferous. Information is given te deposits of the Carboniferous. Information is given malies discovered by magnetic exploration. A comparison malies discovered by magnetic exploration. A comparison results of seromagnetic surveys made at various scales and 1:200,000), carried out over the same areas; this
Card 1/2	

The effectiveness of ...

S/169/63/000/002/109/127 D263/D307

showed the advisability of supplementing a 1:200,000 survey with a survey made on a larger scale. It is noted that in the quantitative interpretation of magnetic anomalies, caused by sheetlike magnetic deposits 10 - 20 m thick and discovered by aeromagnetic surveys with the ACFM-25 (ASGM-25) station, the errors reach 500 - 1000%. These Zabstracter's note: Complete translation.

Card 2/2

KOTLYMENUSKIY, Latte; KRAIN W, 1.0.

Using the high-precision AP-13 neromagneto ater in the solution of geological mapping problems in Uzbekistan. Razved. i okh. nedr. 30 no.6:35-39 Je 164. (NEA 17:10)

1. Upbekskiy geofizicheskiy trest.

<u>1 2/861-65 ENT(1)/RCZ/EEC(t)/ENA(h). Ro-4/Pi-4/Feb CN</u> ACCESSION SR: AR5063630 8/0169/64/000/011/D023/D023

SOURCE: Ref. zh. Geofizika, Abs. 110150

ANTHORS: Kotlyarevskiy, L. N. Kremnsv. L. G.

SITUR: Results of experiments with the AM-13 high-precision magnetomater 0

CITED SCURCE: Sh. Geofiz. pribordatr., Vyp. 18. L., Nedra, 1964, 115-118

TOPIC TAGS: magnetometer, serial magnetic surveying/AM-13

TRANSLATION: A brief report is presented of experimental work with the AM-13 aeromagnetometer, carried out in 1960--1961 by the aeromagnetic party of Uzbekskiy geofizicheskiy treat (Uzbek Geophysical Trust). The investigations have shown that in order to exclude the deviation noise it is advantageous to do the measurements with a

Card 1/2

L 27861-65 ACCESSION NR	AR5003630		
shown that if it is possible	20-25 meters long attoret curve of and block the wagnetic ising reference and a	curve. It is Ken into accou	
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			CONTRACTOR CONTRACTOR

TALI-VIRSKIY, B.B., KOTLYAREVSKIY, L.N., KREMNEV, I.G.

New data on the structure of the basement in the Fergana intermontane depression. Uzb. geol. zhur. 3 no.5:46-52 '64. (MIRA 18:5)

1. Uzbekskiy geofizicheskiy trest.

KOTLYAREVSKIY, M.L., dotsent

One-stage fixation of the pelvic fundus and sphincter in rectal prolapse. Vest.khir. 76 no.7:119-123 Ag '55 (MLRA 8:10)

1. Is Mariyskoy respublikanskoy bol'nitsy (gl.vrach L.N.Molchanov)

(RECTOM, dis.

prolapse, surg.one-stage, of pelvic fundus & sphincter)

ZAYTSEV, N.; BULANOV, N.; KOTLYAREVSKIY, N.

Mechanized production line for the preparation of sausage filling.
Mias.ind.SSSR 33 no.2:14-15 '62. (MIRA 15:5)
(Sausages) (Assembly-line methods)

<u>I. 11/398-63</u> ENT(m)/EDS AFFTC JD

ACCESSION NR: AP3003050 S/0170/63/000/006/0068/007

AUTHOR: Verkhivker, C. P.; Zubatov, H. C.; Kotlyarevskiy P. A. (Odessa)

TITLE: Diagram of products of gas combustion with allowance for disposiation
SOURCE: Inshernerno-fisicheskiy shurnal, no. 6, 1963, 68-73

TOPIC TAOS: Saratov natural gas, I-S diagram

ABSTRACT: An I-S diagram is presented for the combustion products from Saratov natural gas for the ranges 300 to 3050 K and 0.1 to 5 million newtons/sq. meter. The products are assumed to behave as an ideal gas; the dissociation region is covered by means of an approximate method, not described in detail /Hikolayev B. A. (Termodinamicheskiy raschet raketny\*kh dvigateley. Oborongiz, 1960)/. The elementary composition is 0.711 C, 0.231 H, 0.05126 N, and 0.00374 O; the excess air factor is 1. The calorific value of the gas is 16,848.37 kilojoules/kg. The composition of the gas in terms of major hydrocarbons is also used. Most of the paper is taken up with a method of estimating the error of the diagram by reference to the enthalpy at high temperatures. It is concluded

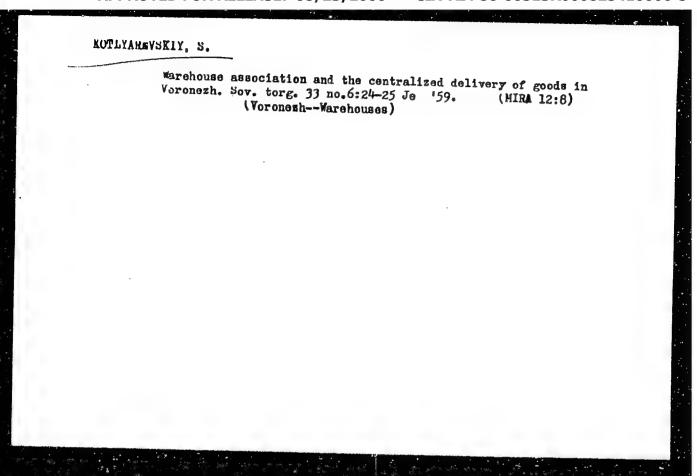
Card 1/3 2

L 14398-63 ACCESSION NR: AP3003050		
temperatures and is usual formulas.	all scurces is not more that y much less. Original arti	ole has: 2 figures and 10
logical Institute) SURVITIED: 20Dec62	DATE ACQ: 22Jul63	ENCLA O1
SUB CODE: PH	NO REF SOV: 003	OTHER: 000
Card 2/3/2		

KESSEL'MAN, P.M.; KOTLYAREVSKIY, P.A.; VOLOSHIN, A.P.

Equation of state and thermodynamic properties of molecular nitrogen. Inzh.-fiz. zhur. 8 no.1:35-40 Ja 165. (MIRA 18:5)

1. Tekhnologicheskiy institut imeni Lomonosova, Odnasa.



KOTLYAREVSKIY, V., sadovod-opytnik (Khar'kov, poselok Nauchnyy)

Mulching orchards with chaff. Nauka i pered.op.v sel'khoz.

9 no.8:45-46 Ag '59.
(Fruit culture) (Mulching)

(Fruit culture) (Mulching)

10.71000 also 1413,3309

316h1 \$/207/61/000/006/017/025 A001/A101

AUTHOR:

...

Kotlyarevskiy, V. A. (Moscow)

TITLE:

Mechanical characteristics of low-carbon steel subjected to impulsive loading with allowance for delay yield and visco-plastic properties

PERIODICAL:

Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1961,

145-152

TEXT: The author attempts to establish mechanical characteristics for low-carbon steel with explicitly manifested yield region, possessing the property of delay yield at arbitrary conditions of stress, on the basis of the theory of dislocations with allowance for visco-plastic properties of steel. The concept of delay time is defined as the time during which steel preserves its elastic state in spite of undergoing stresses exceeding the statical yield point. The formulae for determination of delay time are given for the case of a constant rate of strain and stress and for the case of an instantaneously applied constant stress. The theoretical formulae derived are compared with empirical formulae for dynamical yield point of steels St. 3 and St. 5, and

Card 1/2

47 1300

S/207/62/000/003/013/016

1028/1228

AUTHOR:

Kotlyarevskiy, V. A. (Moscow)

TITLE:

Elastic-viscous-plastic waves in a substance with lagging fluidity

PERIODICAL:

Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1962, 81-87

TEXT: The following two cases of wave propagation in an elstic-viscous-plastic substance with lagging fluidity are analysed mathematically:

- a) Propagation of a plane wave in a half-infinite undisturbed prismatic pivot, to whose end section is applied an elongating dynamic stress. It is found that a discontinuity of the velocity of deformation takes place at the moving boundary  $x = a(t-\tau)$  of the viscous-plastic region, where  $\tau =$  the time lag,  $a = \sqrt{\frac{k}{\rho}}$
- b) Deformation of a pivot under the action of a variable transversal dynamic load beyond the limit of dynamic fluidity. The obtained equations are integrated in this case by means of computers.

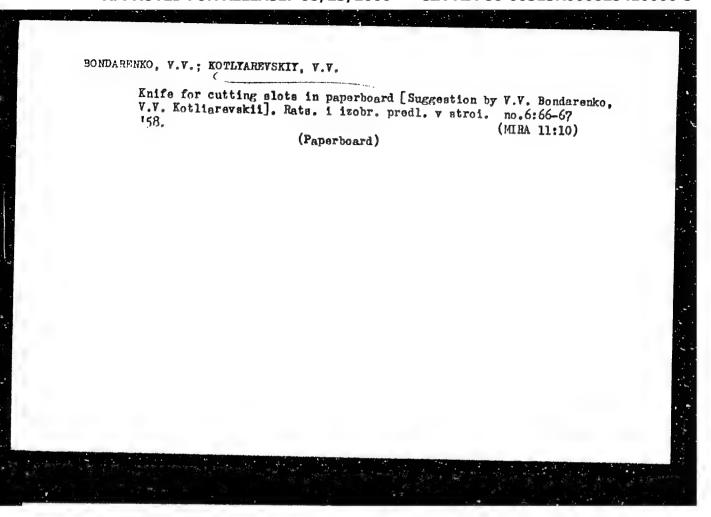
The author thanks S. S. Grigoryan and N. I. Polyakov for their comments. There are 9 figures.

SUBMITTED:

August 15, 1961

Card 1/1

VA



KOTLYAROV, A. F.

USSR/Engineering Conveyers Peat

Jul LB

"Peat Supply With a Car Unloading Conveyer at Electric Stations," I. I. Kostin, Cand Tech Sci, A. F. Kotlyarov, A. S. Gellman, Engineers, h pp

"riekh frad i fyazh Rabot" No 7

Describes system used successfully at a USSR power station. Recommends new method as it does away with transferring peat from wide-gauge to narrow-gauge cars. It releases 350 rail cars and 63 workmen per power station for other uses. Suggests application of this conveyer method at other power stations operating on peat fuel. Gives sketches and cross-section plans of the installation.

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## "APPROVED FOR RELEASE: 08/23/2000 CIA

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KotzyANOV, A.M.

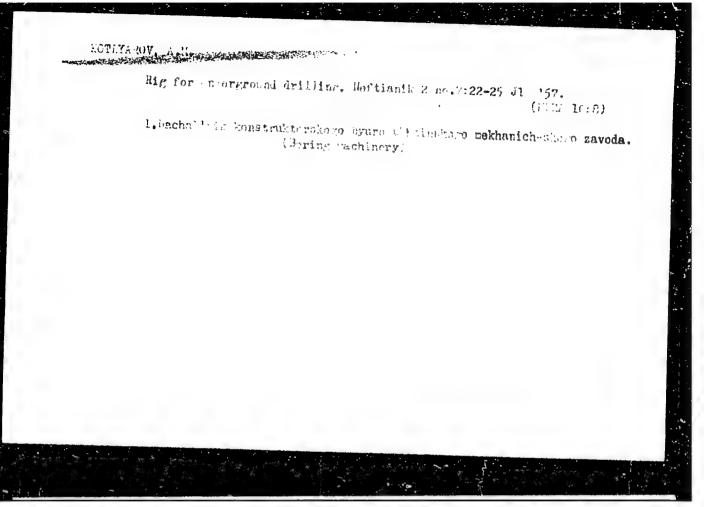
YUDIN, Te. Ya.; KOTLYAROV, A.M.

Greating a bit for drilling superhard rocks. Neft. khoz. 34 no.12: 17-21 D \*56. (MERA 10:8)

(Boring machinery)

-- KOPLYAROV. Aleksandr Mikhaylovich: IVANOV, Ye.M., redaktor; KIRSHENBAUM, P.I., redaktor; SVYATITSKAYA, K.P., vedushchiy redaktor; POLOSINA, A.S., tekhnicheskiy redaktor

[Underground boring machine with hydraulic transformer] Podzemnoburovoi stanok s gidravlicheskim preobrazovatelem. Koskva, Ggs. nauchno-tekhn, izd-vo neft, i gorno-toplivnoi lit-ry, 1957. 61 p, (Boring machinery) (MERA 10:7)



ACC 1761 AR6032152

SOURCE CODE: UR/0169/66/000/006/D013/D013

AUTHOR: Kotlyarov, A. M.; Kolik, A. L.; Tsaregradskiy, V. A.; Urazayev, B. M.; Koristoshevsaya, T. I.; Al'mukhanbetov, D. V.

TITLE: Geophysical investigation of unexplored areas of the Dzhezkazgan-Sarysuysk region

SOURCE: Ref. zh. Geofizika, Abs. 6D90

REF SOURCE: Sb. Geofiz. issled. v Kazakhstanc. Alma-Ata, Kazakhstan, 1965, 120-126

TOPIC TAGS: petroleum geology, geologic exploration, oil, seismic logging, electric logging, geophysical exploration, oil deposits/Dzhezkazgan

ABSTRACT: Data obtained on the physical properties of rock in laboratory studies of samples and in electrical and seismic logging are presented. Geological and geophysical analyses showed that intense positive anomalies extending linearly along the meridional (up to 1000 by) are formed by iron quartzites, porphyritoides, and epidote and amphibole shales of the Karsakpay series. The area distribution

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UDC: 550.830(574.5)

## ACC NR: AR6032152

of the electrical properties of the rock had not been sufficiently studied. The study of the polarization characteristics of rock and one was begun only in 1961. Residual magnetization was studied principally in extruded and metamorphic rock. Geophysical investigations showed a block structure for the Dzhezkazgan trough—the synclinal region situated to the north of the Dzhezkazgan deposits. Geophysical studies and drilling operations revealed a rather wide distribution of halogenic formations, whose age was determined roughly as Permian. Thick Lower Paleozoic strata and overlying rocks with oil-bearing characteristics, salt dome tectonics, indications of oil in the gaseous and liquid phase in the Permian cross-section, and favorable structure, all indicate that the Dzhezkazgan-Sarysuysk trough is an oil-bearing region. Yu. Kaznacheyeva. ["ranslation of abstract]

SUB CODE: 08/

Card 2/2

KOTLYAROV, A.M.

Hydraulic device for the automatic control of the feed ° a drilling tool and the "interception" of a clamping chuck. Biul.nauch.-tekh. inform VIMS no.1:94-95 63. (MIRA 18:2)

KOTLYAROV, A.M.; TSAREGRADSKIY, V.A.; KOLIK, A.L.

Development of halogenous formations in the Dzhezkazgan-Sarysu Basin and the outlook for its oil and gas bearing capacity. Vest. AN Lazakh. SSR 21 no.6:53-59 Je \*65. (MIRA 18:7)

KOTLYAROV, A. S., inzh.

Attachments for multiple milling. Mashinostroenie no.5:80 S=0 '62. (MIRA 16:1)

1. Leningradskiy gosudarstvennyy optikomekhanicheskiy zavod.

(Milling machines-Attachments)

LISIN, B.V., podpolkovnik; KARDASH, V.M., inzh.-podpolkovnik; PEREDEL'SKIY, E.P., inzh.-podpolkovnik; KOTLYAROV, D.M., podpolkovnik; BUDNIKOV, F.A., podpolkovnik; OKUNEV, Yu.K., podpolkovnik, red.; SOLOMONIK, R.L., tekhn.red.

[Increasing the length of time between overhauls for motor vehicles] Puti i sposoby povysheniia meshremontnykh probegov mashin. Moskva. Voen.izd-vo M-va obor.SSSR. 1960. 70 p.

(MIRA 13:6)

1. Russia (1923- U.S.S.R.) Avtotraktornoye upravleniye. 2. Prepodavateli Voyennogo avtomobil'nogo uchilishcha (for Lisin, Kardash, Peredel'skiy, Kotlyarov, Budnikov).

(Motor vehicles--Maintenance and repair)